

ABSTRACT

A system and method are disclosed for switching a data flow of information packets intended for paths between a respective sending and receiving entity, the method includes buffering the packets from the paths in a queue; halting a sending entity on congestion of the queue; storing the halt condition in a switch state; noting the individual portions that different of the paths occupy in the queue; halting the sending entity for the path occupying the individually greatest portion of the queue; storing the halted path in a free one of the switch states including storing its bandwidth; successively updating the respective bandwidth of halted paths as the queue is repeatedly congested; determining an older part of the states; and purging the state for a path having the smallest bandwidth in said older part of the states.